

Section 6A Review

Simplify. Write each answer in lowest terms.

1. $\frac{12}{15} - \frac{1}{15}$ _____

2. $\frac{11}{20} + \frac{7}{20}$ _____

3. $\frac{2}{3} - \frac{1}{3}$ _____

4. $\frac{4}{6} - \frac{2}{6}$ _____

5. $\frac{6}{11} - \frac{2}{11}$ _____

6. $\frac{4}{7} - \frac{1}{7}$ _____

7. $\frac{12}{13} + \frac{6}{13}$ _____

8. $\frac{18}{20} - \frac{3}{20}$ _____

9. $\frac{1}{3} + \frac{3}{7}$ _____

10. $\frac{1}{10} + \frac{1}{2}$ _____

11. $\frac{1}{2} + \frac{1}{3}$ _____

12. $\frac{21}{25} - \frac{1}{2}$ _____

13. $\frac{6}{7} - \frac{3}{4}$ _____

14. $\frac{5}{7} - \frac{1}{3}$ _____

15. $\frac{1}{2} + \frac{3}{8}$ _____

16. $\frac{3}{10} - \frac{1}{8}$ _____

17. $\frac{2}{3} - \frac{1}{6}$ _____

18. $\frac{3}{5} + \frac{1}{3}$ _____

19. $\frac{1}{2} + \frac{1}{6}$ _____

20. $\frac{2}{3} + \frac{1}{8}$ _____

21. **Career** Lorenzo's job consists of filing, typing, and answering telephones. He spends $\frac{1}{6}$ of his time filing and $\frac{5}{8}$ of his time typing. What fraction of his time does he spend answering telephones? _____

22. About $\frac{1}{6}$ of Rhode Island's population lives in Providence, and $\frac{1}{12}$ of the state's population lives in Warwick. What fraction of the state's population lives in these two cities combined? _____

Solve.

23. $k - \frac{5}{11} = \frac{1}{22}$

24. $\frac{7}{10} - s = \frac{1}{30}$

25. $f - \frac{3}{4} = \frac{1}{36}$

26. $c + \frac{2}{3} = \frac{23}{30}$

$k =$ _____

$s =$ _____

$f =$ _____

$c =$ _____

27. $\frac{5}{7} - d = \frac{13}{21}$

28. $\frac{1}{6} + p = \frac{13}{30}$

29. $\frac{1}{5} + c = \frac{2}{5}$

30. $w + \frac{17}{20} = \frac{14}{15}$

$d =$ _____

$p =$ _____

$c =$ _____

$w =$ _____

31. The largest maze ever created had the shape of a rectangle with base 500 ft and height 252 ft. Find the area of the maze.
[Lesson 4-4] _____

32. Beth and Carlos are riding on two different Ferris wheels at the park. Beth's Ferris wheel rotates once every 90 seconds, and Carlos' Ferris wheel rotates once every 75 seconds. If Beth and Carlos are both at the bottom of the wheel now, when is the next time they will both be at the bottom? _____